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(71)Applicant : TOSHIBA MATSUSHITA DISPLAY TECHNOLOGY CO LTD

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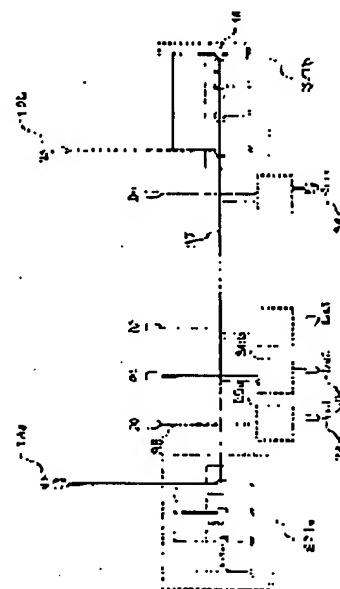
(72)Inventor : TSUGE HITOSHI

(54) SEMICONDUCTOR CIRCUIT FOR DRIVING CURRENT DRIVE TYPE DISPLAY DEVICE,
 AND DISPLAY DEVICE USING THE SEMICONDUCTOR CIRCUIT

(57)Abstract:

PROBLEM TO BE SOLVED: To overcome the problem that the voltage of a gate signal line forming a mirror is changed and a value different from a prescribed current value is outputted when currents from almost all output terminals are changed when connecting gate electrodes of all transistors constituting the mirror are connected by one signal line in constitution for distributing reference currents to respective outputs by using a current mirror in a current output type driver IC for performing gradation display on the basis of a plurality of reference currents.

SOLUTION: In order to suppress a potential change of the gate signal line, a transistor to be a mirror source for allowing a reference current to flow is increased or the number of transistors is increased. A function for reducing a change in the drain voltage of a transistor which may cause a change in the potential of the gate signal line is arranged. When the sensitivity of a change in a drain current to a change in gate potential is reduced, the prescribed current value can be outputted even when currents from almost all output terminals are changed.



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